



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

RECEIVED

DATE: February 24, 1983

MAR 1 1983

TO: Division File ✓

E.P.A. — D.L.P.C.
STATE OF ILLINOISFROM: Ken Mensing - Southern Region *K&M*SUBJECT: LPC - General - St. Clair County - Sauget/Sauget S.T.P. **B**

On December 8, 1982, Jay Evans and I went to Clayton Chemical Co. in Sauget, Illinois for the purpose of obtaining soil samples to determine if dioxin contamination was present. I had previously contacted Dave Wieties of Clayton Chemical to inform him of the purpose and scope of our planned soil sampling. On December 8, 1982, we spoke with both Bud Haney and Dave Wieties of Clayton Chemical Co. Mr. Haney indicated that the only tanks that Bliss Waste Oil Service ever had on the property were the four 17,000 gallon tanks that are presently there along the northern boundary and an old tall tank that had a capacity of 130,000 gallons. This tank is no longer there, but was located east of the present tanks in an area that is presently rocked as a parking area for the Sauget Sewage Treatment Plant. Mr. Haney said that the tank was initially a water storage tank for the railroad. He further stated that the Village of Sauget or the sewage treatment plant bought the property from the G. M. & O. Railroad, which is now the I.C.G. Railroad. Mr. Haney identified the area where the tank had been located to us. Dave Wieties accompanied us during the sample collection.

Sample #1 was obtained from an area that would have been under the center of the old tank. After digging and picking through the limestone rocked surface, we dug down into the underlying soil to a depth of eight inches. A composite sample was obtained from the soils encountered during the digging of the hole. Sample #2 was collected from the sidewall of a recent excavation approximately 20 feet west of sampling point #1. Deposits along the sidewall of the excavation were placed directly in a sample jar with a hand trowel from the surface down to eight inches.

During late January 1983, it was decided and agreed upon between IEPA and USEPA that the IEPA laboratory would analyze the duplicate soil samples obtained on December 8, 1982 for PCB's and other organic parameters. There two duplicate soil samples were taken to the IEPA lab in Springfield on January 24, 1983 by Pat McCarthy. The samples had been stored in the locked storage room in the Collinsville Regional Office from December 8, 1982 until January 24, 1983. The lab finalized the analyses on February 9, 1983.

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On February 14, 1983, the U.S.E.P.A. released the results of the dioxin sampling that had taken place in December. The analysis revealed the presence of about one-half part per billion dioxin in the two samples taken from the treatment plant parking lot. Also, on February 14, 1983 Norm Niedergang of U.S.E.P.A. and myself met with Bud Haney of Clayton Chemical Company at his Sauget office to question him further regarding the old tank. Mr. Haney estimated that the tank had been torn down in the mid 1970's. He estimated that the tank was about 50 feet tall and had a capacity of about 135,000 gallons. Mr. Haney said that Reidy and Sons leased the tank from the G. M. & O. Railroad (now the I.C.G. Railroad) about 15 years ago. He indicated that Reidy and Sons operated a topping oil facility in the immediate area years ago and that oil brought to and stored in the tank was in connection with this topping oil facility. He stated that Russell Bliss hauled oil to the tank during the early 1970's. He further said that subsequently the Village of Sauget leased the property and tank from the railroad, but that Reidy and Sons continued to use it. He informed me that at a later date the Village tore the tank down. Mr. Haney said that his memory was not good on dates. He told us that the excavation from which we obtained one of our samples on December 8, 1982 was possibly for a water line.

During the afternoon of February 14, 1983, Norm Niedergang and I spoke with Mayor Paul Sauget, Treatment Plant Operator- Carl Marciante and Steve Smith of the Regional Treatment Plant Association. Mr. Sauget provided little information regarding the old tank. When I asked him who tore down the tank, he said to talk to Clayton Chemical about that. Norm and I showed the gentlemen where the samples had been collected. We indicated that we would like to obtain additional samples to better define the extent and magnitude of contamination. He did not give us approval for subsequent sampling and generally played down the possible dioxin hazards. Mr. Sauget said that the Village bought the property from the I.C.G. Railroad in 1980.

On February 17, 1983, Jack McCoy and Val Carver of T.W.I. confirmed that the excavation from which we sampled was dug for the purpose of a water line connection to T.W.I. Mr. Carver supervised the water line work and stated that water lines run right under the areas we sampled.

On February 18, 1983, I went down to the treatment plant to observe the fencing that the village had erected around the sampling area. This was as a result of discussions between Del Haschemeyer, IEPA Deputy Director and Village Attorney, Harold Baker. At the plant, I met with operator, Carl Marciante. I indicated to him that the western boundary of the fence should be extended westerly another few feet to encompass the excavation sampling point area. He agreed to do so. Also, on this date Mr. Haschemeyer and Mr. Baker made arrangements for the Agency and the Village to more extensively obtain joint samples of the area on February 19, 1983. On February 19, 1983, Nick Mahlandt - DWFC and I met with Harold Baker, Carl Marciante and a Mr. Zelli of the Village of Sauget at the treatment plant at 10:00 a.m. Rick Snarsky of Envirodyne Engineers in

St. Louis was also present to obtain soil samples for the Village. Between 10:00 a.m. and 1:00 p.m., Mr. Snarsky and I obtained ten composite soil samples from six sampling locations in the area of previous sampling, the proposed effluent pump station, and along a portion of the proposed effluent sewer line from the plant to the pump station. The details of the sampling are attached as a separate document to this memo. During the afternoon of February 19, 1983, I transported the samples I had collected to John Hurley at the IEPA Springfield lab. Two sample bottles were used for each individual sampling point. John Hurley was to analyze one set of samples for PCB's and the other set was sent to Hazleton Raltech Lab in Madison, Wisconsin for dioxin analysis.

On February 22, 1983, I spoke with Russell Bliss by phone. He indicated that he did put oil in the old tank during the early 1970's and that Reidy and/or Clayton periodically took oil out of it. He said he did not know if he was the only person to put oil into the tank. He said he was sure that none of his dioxin contaminated oil had been brought over to Sauget. When I asked him who tore down the tank, he said that the railroad had the tank cut up. He could not remember the year.

KGM:jlrr

cc: Southern Region
Phil Van Ness
Vince Moreth



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

RECEIVED

MAR 18 1983

E.P.A. - D.L.P.C.
STATE OF ILLINOIS

DATE: March 17, 1983

TO: Division File ✓

FROM: Ken Mensing - Southern Region *KM*SUBJECT: LPC - ~~General~~ - St. Clair County - Sauget/S.T.P.

On March 12, 1983, I went to the Sauget Sewage Treatment Plant for the purpose of obtaining additional soil samples to be analyzed for dioxin. These samples were to be analyzed, under contract, by the Hazleton-Raltech Lab in Madison, Wisconsin. This same lab performed the analyses for dioxin on the ten (10) soil samples I collected at the S.T.P. on February 19, 1983. On March 12, 1983, I met with John Zelle with the American Bottoms Regional Waste Water Treatment Association, Carl Marciante who is the operator of the Sauget S.T.P. and Rick Snarski who was the sampler for Envirodyne Engineers. Envirodyne is the contract lab for the Village of Sauget. We all met at the treatment plant at about 9:00 a.m. The days sampling was all conducted in the general area of the proposed effluent pump station. This is the same area from which samples 5A and 5B were collected on February 19, 1983. The area that was sampled was within the fenced in area to the north of the old treatment plant parking lot. I collected ten soil samples and Envirodyne collected 18 samples. The 10 samples I obtained were composite samples that were split with Envirodyne. Envirodyne obtained 8 additional samples. Additionally, Mr. Zelle supplied Envirodyne and I with 2 samples each, which he characterized as control samples and requested both labs to analyze. Thus, I had a total of 12 samples and Envirodyne had 20 samples. Harold Baker had requested Envirodyne to take 20 samples. Our 2 control samples were marked 10A and 10B. Four photos were taken of the general sampling area. The sampling took place between 9:30 a.m. and 2:30 p.m. The exact locations of sampling points, the physical description of material sampled and the sampling depths are documented on a separate attachment.

A hand auger was utilized to obtain the samples. All soil from each sampling point strata was placed into a stainless steel bucket and thoroughly intermixed in order to obtain representative composite samples. All sampling equipment was cleaned and rinsed with acetone and hexane.

It was observed and ascertained during the sampling that the recent work that had taken place in the general sampling area, between February 19 and March 12, was associated with the drilling of de-watering wells. Mr. Zelle said that about six wells are to be located in the immediate area for the purpose of lowering the water table so that the pump station can be constructed. Excavations are to go down about 30 feet. On March 12, 1983 two of the wells had already been bored and 15 inch PVC casings installed. All work in the immediate area has been halted by Village Attorney, Harold Baker, as of March 8, 1983, pending the outcome of the sampling results. I feel that the pumpage from these new wells must be

closely monitored due to the proximity of the Sauget/Toxic disposal site. Leachate and contaminants from the site very well may be drawn toward the cone of depression resulting from the pumpage. I understand that the water is to be directly discharged to the Mississippi River. Water quality should be closely scrutinized and routinely samples to determine if it meets required discharge standards. This point has already been discussed with Bob Kuykendall, Milt Clark and Norm Niedergang of USEPA, Elvin Pauls - Corps of Engineers - EPA Construction Office, Phil Van Ness, Vince Moreth and D.W.P.C. - Collinsville.

KGM:jlrr

cc: Southern Region
Bob Kuykendall
Phil Van Ness